

Secondary Science (7-12) Teacher Licensure Program

Requirements & Tracking Sheet for Post-Baccalaureate Students

Teacher licensure candidates must maintain a 2.75 GPA in cumulative, content, and education coursework. All grades must be a "C-" or better to satisfy a requirement.

<p style="text-align: center;">A. Content Coursework Requirements:</p> <p style="text-align: center;">Complete all courses listed</p> <p><input type="checkbox"/> Written Communication. Three (3) semester hours in college-level composition or writing.</p> <p><input type="checkbox"/> Humanities. Three (3) semester hours (Literature, Philosophy, Theater)</p> <p><input type="checkbox"/> Social Science. Three (3) semester hours in social science.</p> <p><input type="checkbox"/> Calculus I. Four (4) to five (5) semester hours. APPM 1350, MATH 1300, or MATH 1310.</p> <p><input type="checkbox"/> Two (2) Biology Courses.</p> <p><input type="checkbox"/> Two (2) Chemistry Courses.</p> <p><input type="checkbox"/> Two (2) Earth/Space Science Courses.</p> <p><input type="checkbox"/> Two (2) Physics Courses.</p> <p><input type="checkbox"/> Complete three (3) out of four (4) content area lab courses</p> <p style="text-align: center;"> <input type="checkbox"/> Biology Lab <input type="checkbox"/> Earth/Space Science Lab <input type="checkbox"/> Chemistry Lab <input type="checkbox"/> Physics Lab </p> <p style="text-align: center;">CONTENT TRACKS</p> <p><input type="checkbox"/> Biology. Complete twenty four (24) semester hours in Biology (may include courses from biology area above). Coursework must include the study of: General Biology, Matter & Energy in Living Systems, Ecology, Evolution, Genetics, Molecular Biology, Human Anatomy, Environmental Biology, Biotechnology.</p> <p><input type="checkbox"/> Chemistry. Complete twenty four (24) semester hours in Chemistry (may include courses from biology area above). Coursework must include the study of: Analytical, Inorganic, Organic, Physical.</p> <p><input type="checkbox"/> Earth/Space Science. Complete twenty four (24) semester hours in Earth/Space Science (may include courses from biology area above). Coursework must include the study of: Environmental Science, Astronomy, Historical & Physical Geology, Meteorology, Oceanography, Geomorphology & Earth Systems.</p> <p><input type="checkbox"/> Environmental Science. Complete twenty four (24) semester hours in Environmental Science (may include courses from biology area above). Coursework must include the study of: Ecology, Astronomy, seventeen (17) semester hours in Biology.</p> <p><input type="checkbox"/> Physics. Complete twenty four (24) semester hours in Physics (may include courses from biology area above). Coursework must include the study of: Mathematics through Differential Equations, Astronomy, Atomic & Nuclear, Classical Mechanics, Electricity & Magnetism, Heat & Thermodynamics, Optics & Sound, Quantum Mechanics, Radiation & Radioactivity, Relativity, Waves.</p> <p><input type="checkbox"/> Recent Science coursework in the past five (5) years. Six (6) semester hours.</p>	<p style="text-align: center;">B. Education Course Requirements:</p> <p style="text-align: center;">Complete all courses listed</p> <p><input type="checkbox"/> EDUC 3013 School & Society. Three (3) semester hours. Counts in the A&S Core as Human Diversity or Contemporary Societies. May be taken at any time.</p> <p><input type="checkbox"/> EDUC 2030 Step 2: Inquiry Based Lesson Design. One (1) semester hour.</p> <p><input type="checkbox"/> EDUC 4050 Knowing & Learning. Three (3) semester hours. Includes up to two (2) hours per week of school-based practicum.</p> <p><input type="checkbox"/> Complete two (2) of the following courses:</p> <ul style="list-style-type: none"> •MCDB 4811 Teaching & Learning Biology •PHYS 4460/EDUC 4460 Teaching & Learning Physics. <i>Fall only.</i> •EDUC 4822 Teaching & Learning Chemistry. <i>Spring only.</i> •EDUC 1580/PHYS 1580 Energy and Interactions •EDUC 4833 Teaching & Learning Earth Systems. <i>Fall Only.</i> •GEEN 4400 Teaching Design. <p><input type="checkbox"/> EDUC 4060 Classroom Interactions. Three (3) semester hours. Includes up to five (5) hours per week of school-based practicum. This course is a pre-requisite for EDUC 5385.</p> <p><input type="checkbox"/> EDUC 4232 Language and Literacy across the Curriculum. Three (3) semester hours. May be taken at any time. <i>Spring and Summer only.</i></p> <p><input type="checkbox"/> EDUC 5385 Problem-Based Science Instruction. Three (3) semester hours. Includes up to six (6) hours per week of school-based practicum. Should be taken concurrently with EDUC 4023 Differentiating Instruction in Diverse Secondary Classrooms. EDUC 4060 is a pre-requisite.</p> <p><input type="checkbox"/> EDUC 4023 Differentiating Instruction in Diverse Secondary Classrooms. Three (3) semester hours. Includes up to four (4) hours per week of school-based practicum. Should be taken concurrently with EDUC 5385 Project-Based Instruction. EDUC 4060 is a pre-requisite.</p> <p style="text-align: center;">STUDENT TEACHING:</p> <p style="text-align: center;">Satisfactory completion of all content and education course requirements is a prerequisite for Student Teaching. No other courses may be taken during the Student teaching semester.</p> <p><input type="checkbox"/> EDUC 4513 Education and Practice. Two (2) semester hours. <i>Must</i> be taken with EDUC 4712.</p> <p><input type="checkbox"/> EDUC 4712 Secondary Student Teaching. Ten (10) semester hours. <i>Must</i> be taken with EDUC 4513.</p>
Required Tests and Assessments	
<p style="text-align: center;">D. Licensure Exam: <i>Prior</i> to student teaching</p> <p><input type="checkbox"/> Pass either state-approved licensure exam, PRAXIS Subject Assessment (test 5081) or PLACE (test 06).</p> <p>Licensure Exam: _____ Licensure Exam Score: _____</p>	<p style="text-align: center;">E. edTPA: <i>During</i> student teaching</p> <p><input type="checkbox"/> Pass the edTPA, a performance-based, subject specific assessment, with a score of 42 or higher.</p> <p style="text-align: center;">edTPA score: _____</p>